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Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 5221714 A

L13: Entry 1 of 1

File: USPT

Jun 22, 1993

US-PAT-NO: 5221714

DOCUMENT-IDENTIFIER: US 5221714 A

TITLE: Blend of rubber latices containing a hydrogenated rubber latex

DATE-ISSUED: June 22, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Parker, Dane K.	Massillon	OH		

US-CL-CURRENT: 525/237; 524/525, 524/526, 525/236

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	RMIC	Draw D
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Terms

Documents

(hydrogenated near latex) and
(nonhydrogenated near latex)

1

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Refine Search

Search Results -

Terms	Documents
(hydrogenated near latex) and (nonhydrogenated near latex)	1

Database:

US Pre-Grant Publication Full-Text Database
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Search:

L13

Refine Search

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Search History

DATE: Sunday, September 03, 2006
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Set Name	Query	Hit Count	Set Name result set
	<i>DB=PGPB,USPT,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>		
<u>L13</u>	(hydrogenated near latex) and (nonhydrogenated near latex)	1	<u>L13</u>
<u>L12</u>	(blend near hydrogenated near latex) and (nonhydrogenated near latex)	0	<u>L12</u>
<u>L11</u>	(blend near hydrogenated near lattex) and (nonhydrogenated near latex)	0	<u>L11</u>
<u>L10</u>	(5039737 or 5057601 or 4954614 or 4336356 or 3573246 or 2788334).pn.	14	<u>L10</u>
<u>L9</u>	4452950.pn.	2	<u>L9</u>
<u>L8</u>	L7 and (tire or tread or (tire near tread))	20	<u>L8</u>
<u>L7</u>	L6 and ((average near molecular near weight))	25	<u>L7</u>
<u>L6</u>	L5 and ((vinyl near bound near content) or (vinyl near bound) or (double near bond) or (hydrogenat\$ near level))	38	<u>L6</u>
<u>L5</u>	L4 and ((bound near styrene near content) or (styrene near content))	98	<u>L5</u>
<u>L4</u>	L3 and (hydrogenat\$2 or saturat\$2)	252	<u>L4</u>
<u>L3</u>	L2 and ((styrene-isoprene near copolymer near rubber) or (styrene near isoprene near copolymer near rubber) or SIR)	434	<u>L3</u>

L2 L1 and ((styrene-butadiene near copolymer near rubber) or (styrene near butadiene near copolymer near rubber) or SBR)
L1 (two near conjugated near diene near rubber) or (blend two near rubbers) or (mixture near rubbers)

9616 L2301667 L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L14 and (hydrogenated near styrene near isoprene near copolymer)	8

Database:

US Pre-Grant Publication Full-Text Database
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Search:

L15

Refine Search

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DATE: Sunday, September 03, 2006 [Purge Queries](#) [Printable Copy](#) [Create Case](#)

Set
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result set

DB=PGPB,USPT,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

<u>L15</u>	L14 and (hydrogenated near styrene near isoprene near copolymer)	8	<u>L15</u>
<u>L14</u>	L13 and (bound near styrene near content)	253	<u>L14</u>
<u>L13</u>	(styrene near butadiene near copolymer) and (styrene near isoprene near copolymer)	4598	<u>L13</u>
<u>L12</u>	L11 and ((tire near tead) or tread)	19	<u>L12</u>
<u>L11</u>	L4 and L7 and blend	475	<u>L11</u>
<u>L10</u>	L3 and L4 and blend	1894	<u>L10</u>
<u>L9</u>	L8 and ((tire near tread) or (pneumatic near tire))	28	<u>L9</u>
<u>L8</u>	L7 and L4	690	<u>L8</u>
<u>L7</u>	L6 and (styrene near content)	837	<u>L7</u>
<u>L6</u>	L5 and (hydrogenated or (partially near hydrogenated))	4365	<u>L6</u>
<u>L5</u>	(styrene near isoprene near copolymer) or (styrene near isoprene near block near copolymer)	10085	<u>L5</u>

L4 L3 and (styrene near content)
L3 (styrene near butadiene near block near copolymer) or (styrene near
butadiene near copolymer)
L2 5221714
L1 (4946887 or 3225122 or 5221714 or 5654253 or 5804644 or 5612422 or
5700878).pn.

3954 L4
50851 L3
12 L2
11 L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L8 and ((tire near tread) or (pneumatic near tire))	28

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Search:

L9

Refine Search

Recall Text

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<u>Set</u> <u>Name</u> side by side	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
	DB=PGPB,USPT,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
<u>L9</u>	L8 and ((tire near tread) or (pneumatic near tire))	28	<u>L9</u>
<u>L8</u>	L7 and L4	690	<u>L8</u>
<u>L7</u>	L6 and (styrene near content)	837	<u>L7</u>
<u>L6</u>	L5 and (hydrogenated or (partially near hydrogenated))	4365	<u>L6</u>
<u>L5</u>	(styrene near isoprene near copolymer) or (styrene near isoprene near block near copolymer)	10085	<u>L5</u>
<u>L4</u>	L3 and (styrene near content)	3954	<u>L4</u>
<u>L3</u>	(styrene near butadiene near block near copolymer) or (styrene near butadiene near copolymer)	50851	<u>L3</u>
<u>L2</u>	5221714	12	<u>L2</u>
<u>L1</u>	(4946887 or 3225122 or 5221714 or 5654253 or 5804644 or 5612422 or 5700878).pn.	11	<u>L1</u>

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Search Results - Record(s) 1 through 28 of 28 returned.

☐ 1. Document ID: US 20060167160 A1

L9: Entry 1 of 28

File: PGPB

Jul 27, 2006

PGPUB-DOCUMENT-NUMBER: 20060167160

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060167160 A1

TITLE: Rubber composition for tire and tire made therefrom

PUBLICATION-DATE: July 27, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Nakagawa; Ryuji	Tokyo		JP
Otoyama; Norikazu	Tokyo		JP
Nohara; Daisuke	Tokyo		JP

US-CL-CURRENT: 524/442

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIGS	Drawings
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☐ 2. Document ID: US 20060094831 A1

L9: Entry 2 of 28

File: PGPB

May 4, 2006

PGPUB-DOCUMENT-NUMBER: 20060094831

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060094831 A1

TITLE: Rubber composition containing cyclic polysulfide as vulcanizer and pneumatic tire made therefrom

PUBLICATION-DATE: May 4, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Choi; Wonmun	Hiratsuka-shi		JP
Matsumura; Tomoyuki	Hiratsuka		JP
Amino; Naoya	Hiratsuka-shi		JP
Takase; Kazuhiro	Hiratsuka		JP
Kanenari; Daisuke	Hiratsuka		JP

Hotaka; Takeshi Hiratsuka-shi JP
Natori; Junichirou Hiratsuka JP

US-CL-CURRENT: 525/331.9; 525/332.6, 525/337

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIGS	Drawings
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☐ 3. Document ID: US 20060041049 A1

L9: Entry 3 of 28

File: PGPB

Feb 23, 2006

PGPUB-DOCUMENT-NUMBER: 20060041049
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20060041049 A1

TITLE: Rubber composition containing block copolymer and tire having component thereof

PUBLICATION-DATE: February 23, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Sandstrom; Paul Harry	Cuyahoga Falls	OH	US

US-CL-CURRENT: 524/492; 524/495

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIGS	Drawings
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☐ 4. Document ID: US 20050277750 A1

L9: Entry 4 of 28

File: PGPB

Dec 15, 2005

PGPUB-DOCUMENT-NUMBER: 20050277750
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050277750 A1

TITLE: Rubber composition and pneumatic tire using the same in tread

PUBLICATION-DATE: December 15, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Masaki, Koji	Tokyo		JP
Hatakeyama, Yoshikatsu	Tokyo		JP

US-CL-CURRENT: 526/191

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIGS	Drawings
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☐ 5. Document ID: US 20050171276 A1

L9: Entry 5 of 28

File: PGPB

Aug 4, 2005

PGPUB-DOCUMENT-NUMBER: 20050171276

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050171276 A1

TITLE: Modified polymers and compositions containing the same

PUBLICATION-DATE: August 4, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Matsuda, Takaaki	Kanagawa-ken		JP
Takayama, Shigeki	Tokyo		JP
Shiraki, Yoshinori	Kanagawa-ken		JP
Nakajima, Shigeo	Kanagawa-ken		JP
Kusanose, Yasuhiro	Kanagawa-ken		JP

US-CL-CURRENT: 524/572

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIGS	Drawings
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☐ 6. Document ID: US 20050154156 A1

L9: Entry 6 of 28

File: PGPB

Jul 14, 2005

PGPUB-DOCUMENT-NUMBER: 20050154156

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050154156 A1

TITLE: Diene rubber, process for production thereof, rubber compositions, process for producing the same, and crosslinked rubbers

PUBLICATION-DATE: July 14, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Karato, Takeshi	Chiyoda-ku		JP
Komatu, Masaaki	Chiyoda-ku		JP
Takase, Kazuhiro	Hiratuka		JP

US-CL-CURRENT: 526/82; 524/495, 524/571, 526/335

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIGS	Drawings
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☐ 7. Document ID: US 20040152811 A1

L9: Entry 7 of 28

File: PGPB

Aug 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040152811
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040152811 A1

TITLE: Silica-reinforced rubber compounded with an alkoxysilane and a strong organic base

PUBLICATION-DATE: August 5, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Lin, Chenchy Jeffrey	Hudson	OH	US
Hergenrother, William L.	Akron	OH	US
Hogan, Terrence E.	Akron	OH	US

US-CL-CURRENT: 524/261; 524/318, 524/493, 524/571, 525/331.9

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RIMC	Drawings
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☐ 8. Document ID: US 20030070579 A1

L9: Entry 8 of 28

File: PGPB

Apr 17, 2003

PGPUB-DOCUMENT-NUMBER: 20030070579
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030070579 A1

TITLE: Preformed thermoplastic pavement marking construction

PUBLICATION-DATE: April 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hong, Le Hoa	Monterey Park	CA	US
Ercillo, Jesse C.	Covina	CA	US
Ko, Chan U.	Arcadia	CA	US

US-CL-CURRENT: 106/31.04; 428/343

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RIMC	Drawings
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☐ 9. Document ID: US 20030050408 A1

L9: Entry 9 of 28

File: PGPB

Mar 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030050408
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030050408 A1

TITLE: Rubber compound containing a polyhedral oligomeric silsesquioxanes

PUBLICATION-DATE: March 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Puhala, Aaron Scott	Kent	OH	US
Zanzig, David John	Uniontown	OH	US
Holden, Brian David	Cuyahoga Falls	OH	US
Maly, Neil Arthur	Tallmadge	OH	US

US-CL-CURRENT: 525/479

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMIC	Drawings
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☐ 10. Document ID: US 20020177661 A1

L9: Entry 10 of 28

File: PGPB

Nov 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020177661

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020177661 A1

TITLE: Gel-containing rubber compounds with multifunctional isocyanates and polyols

PUBLICATION-DATE: November 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Obrecht, Werner	Moers		DE
Heiliger, Ludger	Neustadt		DE

US-CL-CURRENT: 525/125; 525/131

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMIC	Drawings
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☐ 11. Document ID: US 20020120086 A1

L9: Entry 11 of 28

File: PGPB

Aug 29, 2002

PGPUB-DOCUMENT-NUMBER: 20020120086

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020120086 A1

TITLE: Quaternary polymers with functional amine groups field of the invention

PUBLICATION-DATE: August 29, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
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Wendling, Peter	Leverkusen	DE
Reif, Lothar	Dormagen	DE
Trimbach, Jorgen	Koln	DE
Rawlinson, Adrian	Leverkusen	DE
Peter, Rolf	Dormagen	DE

US-CL-CURRENT: 526/335; 526/341, 526/346

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	EMMC	Grand D.
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☐ 12. Document ID: US 20020120052 A1

L9: Entry 12 of 28

File: PGPB

Aug 29, 2002

PGPUB-DOCUMENT-NUMBER: 20020120052
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020120052 A1

TITLE: Quaterpolymers with functional hydroxyl or epoxy groups

PUBLICATION-DATE: August 29, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wendling, Peter	Leverkusen		DE
Reif, Lothar	Dormagen		DE
Trimbach, Jorgen	Koln		DE
Rawlinson, Adrian	Leverkusen		DE
Peter, Rolf	Dormagen		DE
Engelhausen, Rudiger	Dormagen		DE

US-CL-CURRENT: 524/495; 526/266, 526/335, 526/341

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	EMMC	Grand D.
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☐ 13. Document ID: US 6984706 B2

L9: Entry 13 of 28

File: USPT

Jan 10, 2006

US-PAT-NO: 6984706
DOCUMENT-IDENTIFIER: US 6984706 B2

TITLE: Diene rubber, process for production thereof, rubber compositions, process for producing the same, and crosslinked rubbers

DATE-ISSUED: January 10, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20050154156 A1

July 14, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Karato; Takeshi	Tokyo			JP
Komatu; Masaaki	Tokyo			JP
Takase; Kazuhiro	Kanagawa			JP

US-CL-CURRENT: 526/335; 524/570, 524/575, 525/236, 525/237, 525/332.5, 525/332.9,
525/333.2, 526/340, 526/82, 526/83, 526/84, 526/85, 528/500

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Index	Drawings
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☐ 14. Document ID: US 6908965 B2

L9: Entry 14 of 28

File: USPT

Jun 21, 2005

US-PAT-NO: 6908965

DOCUMENT-IDENTIFIER: US 6908965 B2

TITLE: Gel-containing rubber compounds with multifunctional isocyanates and polyols

DATE-ISSUED: June 21, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Obrecht; Werner	Moers			DE
Heiliger; Ludger	Neustadt			DE

US-CL-CURRENT: 525/125; 525/127, 525/131

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Index	Drawings
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☐ 15. Document ID: US 6852794 B2

L9: Entry 15 of 28

File: USPT

Feb 8, 2005

US-PAT-NO: 6852794

DOCUMENT-IDENTIFIER: US 6852794 B2

TITLE: Rubber compound containing a polyhedral oligomeric silsesquioxanes

DATE-ISSUED: February 8, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Puhala; Aaron Scott	Kent	OH		
Zanzig; David John	Uniontown	OH		
Holden; Brian David	Cuyahoga Falls	OH		

Maly; Neil Arthur

Tallmadge

OH

US-CL-CURRENT: 524/588; 524/261, 524/262, 524/267, 524/268, 525/101, 525/102,
525/103, 525/105, 525/106

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	PubC	Draw D.
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☐ 16. Document ID: US 6573412 B1

L9: Entry 16 of 28

File: USPT

Jun 3, 2003

US-PAT-NO: 6573412

DOCUMENT-IDENTIFIER: US 6573412 B1

TITLE: Chain-coupled polymeric alkoxide compounds having controlled viscosity

DATE-ISSUED: June 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hogan; Terrence E.	Cuyahoga Falls	OH		
Hergenrother; William L.	Akron	OH		
Hall; James E.	Mogadore	OH		

US-CL-CURRENT: 568/616; 528/392, 528/396, 556/482, 568/606

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	PubC	Draw D.
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☐ 17. Document ID: US 6486258 B1

L9: Entry 17 of 28

File: USPT

Nov 26, 2002

US-PAT-NO: 6486258

DOCUMENT-IDENTIFIER: US 6486258 B1

TITLE: Conjugated diene rubber composition for tire use and tire

DATE-ISSUED: November 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Noguchi; Koukichi	Kawasaki			JP
Fukahori; Takahiko	Kawasaki			JP
Nakamura; Masao	Kawasaki			JP

US-CL-CURRENT: 525/191; 525/232, 525/238, 525/241, 526/335

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	PubC	Draw D.
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☐ 18. Document ID: US 6465544 B1

L9: Entry 18 of 28

File: USPT

Oct 15, 2002

US-PAT-NO: 6465544

DOCUMENT-IDENTIFIER: US 6465544 B1

TITLE: Rubber composition for tire casings based on silicas containing a reinforcing additive based on a functionalized polyorganosiloxane and on an organosilane compound

DATE-ISSUED: October 15, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bomal; Yves	Paris			FR
Durel; Olivier	Blanzat			FR

US-CL-CURRENT: 523/213; 523/212, 523/214

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Index	Drawings
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☐ 19. Document ID: US 6448318 B1

L9: Entry 19 of 28

File: USPT

Sep 10, 2002

US-PAT-NO: 6448318

DOCUMENT-IDENTIFIER: US 6448318 B1

TITLE: Method of processing rubber compositions containing soya fatty acids, sunflower fatty acids and mixtures thereof

DATE-ISSUED: September 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sandstrom; Paul Harry	Tallmadge	OH		

US-CL-CURRENT: 524/284; 524/599, 524/773, 524/925

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Index	Drawings
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☐ 20. Document ID: US 6372855 B1

L9: Entry 20 of 28

File: USPT

Apr 16, 2002

US-PAT-NO: 6372855

DOCUMENT-IDENTIFIER: US 6372855 B1

TITLE: Polymer containing isobutylene as repeating unit and rubber composition containing the same

DATE-ISSUED: April 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chino; Keisuke	Hiratsuka			JP
Ikawa; Masahiro	Hiratsuka			JP
Onoi; Hidekazu	Hiratsuka			JP

US-CL-CURRENT: 525/327.4; 525/327.6, 525/333.7, 525/333.9, 525/374, 525/376,
525/377, 525/384, 525/385

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Index	Drawings
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☐ 21. Document ID: US 6362253 B1

L9: Entry 21 of 28

File: USPT

Mar 26, 2002

US-PAT-NO: 6362253

DOCUMENT-IDENTIFIER: US 6362253 B1

** See image for Certificate of Correction **

TITLE: Rubber composition for tire casings based on silicas containing a reinforcing additive based on a functionalized polyorganosiloxane and on an organosilane compound

DATE-ISSUED: March 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Durel; Olivier	Blanzat			FR

US-CL-CURRENT: 523/213

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Index	Drawings
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☐ 22. Document ID: US 6342559 B1

L9: Entry 22 of 28

File: USPT

Jan 29, 2002

US-PAT-NO: 6342559

DOCUMENT-IDENTIFIER: US 6342559 B1

TITLE: Conjugated diene rubber, process for producing the same, and rubber composition

DATE-ISSUED: January 29, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Takagishi; Yukio	Kawasaki			JP

US-CL-CURRENT: 524/492; 524/493, 526/222, 526/224

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Drawings	Drawings
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☐ 23. Document ID: US 6310164 B1

L9: Entry 23 of 28

File: USPT

Oct 30, 2001

US-PAT-NO: 6310164

DOCUMENT-IDENTIFIER: US 6310164 B1

TITLE: Unsaturated copolymers, processes for preparing the same, and compositions containing the same

DATE-ISSUED: October 30, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Morizono; Kenichi	Waki-cho			JP
Okada; Keiji	Waki-cho			JP
Yamaguchi; Masayoshi	Waki-cho			JP

US-CL-CURRENT: 526/339; 524/574, 524/575, 526/126, 526/127, 526/131, 526/132, 526/134, 526/153, 526/160, 526/161, 526/340, 526/347

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Drawings	Drawings
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☐ 24. Document ID: US 6251992 B1

L9: Entry 24 of 28

File: USPT

Jun 26, 2001

US-PAT-NO: 6251992

DOCUMENT-IDENTIFIER: US 6251992 B1

TITLE: Rubber composition containing hydroxyl terminated polyalkylene polymer and tire with tread thereof

DATE-ISSUED: June 26, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sandstrom; Paul Harry	Tallmadge	OH		

US-CL-CURRENT: 525/79; 152/209.1, 152/209.5, 525/326.1, 525/331.9, 525/332.9, 525/333.1, 525/333.2, 525/333.3

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Drawings	Drawings
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☐ 25. Document ID: US 6140393 A

L9: Entry 25 of 28

File: USPT

Oct 31, 2000

US-PAT-NO: 6140393

DOCUMENT-IDENTIFIER: US 6140393 A

** See image for Certificate of Correction **

TITLE: Rubber composition for tire casings based on silicas containing a reinforcing additive based on a functionalized polyorganosiloxane and on an organosilane compound

DATE-ISSUED: October 31, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bomal; Yves	Paris			FR
Durel; Olivier	Blanzat			FR

US-CL-CURRENT: 523/213; 523/212, 523/214

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Draw D.
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☐ 26. Document ID: US 5247009 A

L9: Entry 26 of 28

File: USPT

Sep 21, 1993

US-PAT-NO: 5247009

DOCUMENT-IDENTIFIER: US 5247009 A

TITLE: Rubber composition containing rubbery polymer and modified liquid polymer

DATE-ISSUED: September 21, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kitahara; Shizuo	Kawasaki			JP

US-CL-CURRENT: 524/552; 525/331.7, 525/332.3, 525/332.8, 525/332.9, 525/333.1, 525/333.2, 525/333.6, 525/359.3, 525/367, 525/371, 525/374

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Draw D.
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☐ 27. Document ID: US 5100967 A

L9: Entry 27 of 28

File: USPT

Mar 31, 1992

US-PAT-NO: 5100967

DOCUMENT-IDENTIFIER: US 5100967 A

TITLE: Statistical AB-block copolymers having improved properties, process for their manufacture and their use

DATE-ISSUED: March 31, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wolpers; Jurgen	Haltern			DE
Herrmann; Christoph	Marl			DE
Hellermann; Walter	Dorsten			DE

US-CL-CURRENT: 525/314; 524/495, 525/271, 525/317, 525/95

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FOOD	Draw D.
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☐ 28. Document ID: US 4743497 A

L9: Entry 28 of 28

File: USPT

May 10, 1988

US-PAT-NO: 4743497

DOCUMENT-IDENTIFIER: US 4743497 A

TITLE: Laminated puncture sealing composite and preparation thereof

DATE-ISSUED: May 10, 1988

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thorsrud; Agmund K.	Bartlesville	OK		

US-CL-CURRENT: 428/40.1; 152/502, 152/503, 152/504, 152/DIG.16, 156/115, 156/123,
156/308.2, 156/308.6, 428/911, 442/149, 523/166, 524/68, 524/71

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FOOD	Draw D.
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L8 and ((tire near tread) or (pneumatic near
tire))

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L7 and (tire or tread or (tire near tread))	20

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L8 L7 and (tire or tread or (tire near tread))

20 L8

L7 L6 and ((average near molecular near weight))

25 L7

L6 L5 and ((vinyl near bound near content) or (vinyl near bound) or (double near bond) or (hydrogenat\$ near level))

38 L6

L5 L4 and ((bound near styrene near content) or (styrene near content))

98 L5

L4 L3 and (hydrogenat\$2 or saturat\$2)

252 L4

L3 L2 and ((styrene-isoprene near copolymer near rubber) or (styrene near isoprene near copolymer near rubber) or SIR)

434 L3

L2 L1 and ((styrene-butadiene near copolymer near rubber) or (styrene near butadiene near copolymer near rubber) or SBR)

9616 L2

L1 (two near conjugated near diene near rubber) or (blend two near rubbers) or (mixture near rubbers)

301667 L1

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☐ 1. Document ID: US 20060128891 A1

L8: Entry 1 of 20

File: PGPB

Jun 15, 2006

PGPUB-DOCUMENT-NUMBER: 20060128891

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060128891 A1

TITLE: Modified block copolymer

PUBLICATION-DATE: June 15, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Kubo, Nobuaki	Kawasaki-shi		JP
Kusanose, Yasuhiro	Yokohama-shi		JP
Nakajima, Shigeo	Fujisawa-shi		JP
Matsuda, Takaaki	Fujisawa-shi		JP
Takayama, Shigeki	Tokyo		JP
Shiraki, Toshinori	Yamato-shi		JP

US-CL-CURRENT: 525/88; 525/123, 525/259, 525/89

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIND	Drawings
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☐ 2. Document ID: US 20060063879 A1

L8: Entry 2 of 20

File: PGPB

Mar 23, 2006

PGPUB-DOCUMENT-NUMBER: 20060063879

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060063879 A1

TITLE: Tire with low volatile alcohol emission rubber tread with compositional limitations

PUBLICATION-DATE: March 23, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Zanzig, David John	Bertrange		LU

US-CL-CURRENT: 524/493; 524/495

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMIC	Drawings
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☐ 3. Document ID: US 20050277750 A1

L8: Entry 3 of 20

File: PGPB

Dec 15, 2005

PGPUB-DOCUMENT-NUMBER: 20050277750

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050277750 A1

TITLE: Rubber composition and pneumatic tire using the same in tread

PUBLICATION-DATE: December 15, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Masaki, Koji	Tokyo		JP
Hatakeyama, Yoshikatsu	Tokyo		JP

US-CL-CURRENT: 526/191

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMIC	Drawings
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☐ 4. Document ID: US 20050247391 A1

L8: Entry 4 of 20

File: PGPB

Nov 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050247391

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050247391 A1

TITLE: Rubber-reinforced structure

PUBLICATION-DATE: November 10, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ikuta, Toru	Hyogo		JP

US-CL-CURRENT: 152/565; 152/516, 156/110.1, 156/123

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMIC	Drawings
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☐ 5. Document ID: US 20050049377 A1

L8: Entry 5 of 20

File: PGPB

Mar 3, 2005

PGPUB-DOCUMENT-NUMBER: 20050049377

PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050049377 A1

TITLE: Functionalized monomers for synthesis of rubbery polymers

PUBLICATION-DATE: March 3, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Halasa, Adel Farhan	Bath	OH	US
Hsu, Wen-Liang	Cuyahoga Falls	OH	US

US-CL-CURRENT: 526/279; 526/173, 526/338

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIGS	Drawings
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☐ 6. Document ID: US 20050020753 A1

L8: Entry 6 of 20

File: PGPB

Jan 27, 2005

PGPUB-DOCUMENT-NUMBER: 20050020753

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050020753 A1

TITLE: Light weight rubber composition containing clay

PUBLICATION-DATE: January 27, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ajban, Manoj	Copley	OH	US
Hsu, Wen-Liang	Cuyahoga Falls	OH	US
Halasa, Adel Farhan	Bath	OH	US
Lee, Ginger	Ravenna	OH	US
Castner, Eric Sean	Uniontown	OH	US

US-CL-CURRENT: 524/445; 524/447, 524/492, 524/493, 525/326.9, 525/327.1, 525/328.3,
525/332.1, 525/332.6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIGS	Drawings
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☐ 7. Document ID: US 20050006014 A1

L8: Entry 7 of 20

File: PGPB

Jan 13, 2005

PGPUB-DOCUMENT-NUMBER: 20050006014

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050006014 A1

TITLE: Functionalized monomers for synthesis of rubbery polymers

PUBLICATION-DATE: January 13, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Halasa, Adel Farhan	Bath	OH	US
Hsu, Wen-Liang	Cuyahoga Falls	OH	US

US-CL-CURRENT: 152/209.1; 152/905, 524/571, 526/279, 526/310, 526/335, 526/346, 556/465

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMIC	Draw D.
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☐ 8. Document ID: US 20040162379 A1

L8: Entry 8 of 20

File: PGPB

Aug 19, 2004

PGPUB-DOCUMENT-NUMBER: 20040162379

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040162379 A1

TITLE: Light weight rubber composition containing clay

PUBLICATION-DATE: August 19, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ajbani, Manoj	Copley	OH	US
Hsu, Wen-Liang	Cuyahoga Falls	OH	US
Halasa, Adel Farhan	Bath	OH	US
Lee, Ginger	Ravenna	OH	US
Castner, Eric Sean	Uniontown	OH	US

US-CL-CURRENT: 524/447; 524/445, 524/492, 524/493

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMIC	Draw D.
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☐ 9. Document ID: US 20040157994 A1

L8: Entry 9 of 20

File: PGPB

Aug 12, 2004

PGPUB-DOCUMENT-NUMBER: 20040157994

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040157994 A1

TITLE: Modified block copolymer

PUBLICATION-DATE: August 12, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
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Kubo, Nobuaki	Kawasaki-shi	JP
Kusanose, Yasuhiro	Yokohama-shi	JP
Nakajima, Shigeo	Fujisawa-shi	JP
Matsuda, Takaaki	Fujisawa-shi	JP
Takayama, Shigeki	Tokyo	JP
Shiraki, Toshinori	Yamato-shi	JP

US-CL-CURRENT: 525/88; 525/326.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	EMC	Draw D.
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☐ 10. Document ID: US 20040063884 A1

L8: Entry 10 of 20

File: PGPB

Apr 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040063884

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040063884 A1

TITLE: Functionalized monomers for synthesis of rubbery polymers

PUBLICATION-DATE: April 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Halasa, Adel Farhan	Bath	OH	US
Hsu, Wen-Liang	Cuyahoga Falls	OH	US

US-CL-CURRENT: 526/279; 526/310; 526/335; 526/346; 556/465

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	EMC	Draw D.
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☐ 11. Document ID: US 20040024093 A1

L8: Entry 11 of 20

File: PGPB

Feb 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040024093

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040024093 A1

TITLE: Starch composite reinforced rubber composition and tire with at least one component thereof

PUBLICATION-DATE: February 5, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Weydert, Marc	Luxembourg		LU
Frank, Uwe Ernst	Marpingen		DE
Zimmer, Rene Jean	Howald		LU

Corvasce, Filomeno Gennaro

Mertzig

LU

US-CL-CURRENT: 524/47; 524/493, 524/502

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMIC	Draw D.
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☐ 12. Document ID: US 20030004250 A1

L8: Entry 12 of 20

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030004250

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030004250 A1

TITLE: Light weight rubber composition containing clay

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ajbani, Manoj	Copley	OH	US
Hsu, Wen-Liang	Cuyahoga Falls	OH	US
Halasa, Adel Farhan	Bath	OH	US
Lee, Ginger	Ravenna	OH	US
Castner, Eric Sean	Uniontown	OH	US

US-CL-CURRENT: 524/445; 524/548

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMIC	Draw D.
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☐ 13. Document ID: US 7055566 B2

L8: Entry 13 of 20

File: USPT

Jun 6, 2006

US-PAT-NO: 7055566

DOCUMENT-IDENTIFIER: US 7055566 B2

TITLE: Light weight rubber composition containing clay

DATE-ISSUED: June 6, 2006

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20050020753 A1	January 27, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ajbani, Manoj	Copley	OH		US
Hsu, Wen-Liang	Cuyahoga Falls	OH		US

Halasa; Adel Farhan	Bath	OH	US
Lee; Ginger	Ravenna	OH	US
Castner; Eric Sean	Uniontown	OH	US

US-CL-CURRENT: 152/209.5; 152/209.1, 152/905, 524/445, 524/447, 524/492, 524/493

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMIC	Grant D.
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☐ 14. Document ID: US 7041761 B2

L8: Entry 14 of 20

File: USPT

May 9, 2006

US-PAT-NO: 7041761

DOCUMENT-IDENTIFIER: US 7041761 B2

TITLE: Functionalized monomers for synthesis of rubbery polymers

DATE-ISSUED: May 9, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20050049377 A1

March 3, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Halasa; Adel Farhan	Bath	OH		US
Hsu; Wen-Liang	Cuyahoga Falls	OH		US

US-CL-CURRENT: 526/279; 526/338

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMIC	Grant D.
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☐ 15. Document ID: US 6901982 B2

L8: Entry 15 of 20

File: USPT

Jun 7, 2005

US-PAT-NO: 6901982

DOCUMENT-IDENTIFIER: US 6901982 B2

TITLE: Functionalized monomers for synthesis of rubbery polymers

DATE-ISSUED: June 7, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Halasa; Adel Farhan	Bath	OH		
Hsu; Wen-Liang	Cuyahoga Falls	OH		

US-CL-CURRENT: 152/450; 524/547, 526/279, 526/338

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	PubC	Draw D.
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☐ 16. Document ID: US 6884835 B2

L8: Entry 16 of 20

File: USPT

Apr 26, 2005

US-PAT-NO: 6884835

DOCUMENT-IDENTIFIER: US 6884835 B2

TITLE: Process for making light weight rubber composition containing clay

DATE-ISSUED: April 26, 2005

INVENTOR- INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ajbani; Manoj	Copley	OH		
Hsu; Wen-Liang	Cuyahoga Falls	OH		
Halasa; Adel Farhan	Bath	OH		
Lee; Ginger	Ravenna	OH		
Castner; Eric Sean	Uniontown	OH		

US-CL-CURRENT: 524/447; 524/492, 524/493, 525/326.9, 525/327.1, 525/328.3, 525/332.1, 525/332.6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	PubC	Draw D.
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☐ 17. Document ID: US 6825306 B2

L8: Entry 17 of 20

File: USPT

Nov 30, 2004

US-PAT-NO: 6825306

DOCUMENT-IDENTIFIER: US 6825306 B2

TITLE: Functionalized monomers for synthesis of rubbery polymers

DATE-ISSUED: November 30, 2004

INVENTOR- INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Halasa; Adel Farhan	Bath	OH		
Hsu; Wen-Liang	Cuyahoga Falls	OH		

US-CL-CURRENT: 526/279; 526/173, 526/338

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	PubC	Draw D.
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☐ 18. Document ID: US 6727311 B2

containing the same

DATE-ISSUED: April 16, 2002

INVENTOR INFORMATION

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chino; Keisuke	Hiratsuka			JP
Ikaawa; Masahiro	Hiratsuka			JP
Onoi; Hidekazu	Hiratsuka			JP

US-CL-CURRENT: 525/327.4; 525/327.6, 525/333.7, 525/333.9, 525/374, 525/376,
525/377, 525/384, 525/385

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RIMC	Drawings
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